

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) An apparatus for testing a performance of a mobile station having a global positioning system (GPS) function, comprising:

a test ~~block~~ block including test commands and a test user interface for testing ~~[[a]] the performance of the mobile station, said test block and test interface being including within the mobile station,~~

wherein the apparatus tests the performance of the mobile station by operating the test block driven through the test user interface.

2. (Currently Amended) The apparatus of claim 1, further comprising:

a radio frequency (RF)/intermediate frequency (IF) block for converting a GPS (~~Global Positioning System~~) RF (radio frequency) signal and ~~[[the]]~~ a CDMA (Code Division Multiple Access) RF(radio frequency) signal to intermediate frequency/baseband signals;

a keypad/display for inputting a user test command from a user thereon and displaying a test result ~~respectively; and~~

a GPS (~~Global Positioning System~~) search block for generating status information of the mobile station by using the baseband signals, an acquisition assistance (AA) data message, and a sensitivity assistance (SA) data message from the test block[[:]],

wherein the test block ~~for generating~~ generates the acquisition assistance (AA) data message and the sensitivity assistance (SA) data message with a first test command from the test user ~~Interface~~ interface operated on the keypad or through a diagnostic monitoring device, ~~generating~~ generates a second test command for controlling the GPS search block by using the status information, and ~~generating~~ generates test status information based on the test a result[[:]] of the test, and

wherein the test user interface operated by the user on the keypad or through the diagnostic monitoring device and transferring transfers the test status information to the display or the diagnostic monitoring device.

3. (Currently Amended) The apparatus of claim 2, wherein the test user interface is operated [[as]] in one of a sensitivity test mode, a GPS (~~Global Positioning System~~) signal to noise ratio/Doppler estimation test mode, a time calibration test mode, ~~and or~~ or a setting mode for setting a circumstance of the test modes.

4. (Currently Amended) The apparatus of claim 2, wherein the test user interface is included on a test mode menu list which [[an]] a usual user does not access.

5. (Currently Amended) The apparatus of claim ~~[[2]]~~ 1, further comprising ~~[[the]]~~
~~a~~ diagnostic monitoring device if the mobile station is located in a shield box.

6. (Currently Amended) A method for testing ~~a~~ performance of a mobile station
having a global positioning system (GPS) function, comprising:

initiating the testing of the performance of the mobile station by setting set
values according to a test type by an input through a keypad of the mobile station;

if an idle mode is in an off state, entering a traffic state;

if a currently proceeding test is for the first time, controlling a start of a ~~global~~
~~positioning system (GPS)~~ GPS operation;

sending ~~[[the]]~~ an acquisition assist (AA) data message and counting a number
of tests in a first state;

performing a pilot phase measurement (PPM) search operation and a ~~global~~
~~positioning system (GPS)~~ GPS search operation using the AA data message and a sensitivity
~~assist~~ assistance (SA) data message in a second state;

repeatedly testing each test item of the performance by using ~~the~~ a performed
result in a predetermined number of the tests; and

displaying ~~the repeated test results~~ of the tests.

7. (Currently Amended) The method of claim 6, further comprising ~~the steps of:~~
judging if a test mode is "~~use_sa == no_sa~~" without SA after the AA data
message is sent, ~~if not~~, and driving a timer for receiving the SA data message if it is judged
that SA is to be used; and
if the test mode is "~~use_sa == no_sa~~" without SA, performing the PPM search
operation and the GPS search operation.

8. (Currently Amended) The method of claim 6, wherein the test ~~item~~ type is
one of a sensitivity, C/NO and Doppler estimation (CnO/Dopp), and time measurement
(Tcal).

9. (Currently Amended) ~~The method of claim 6;~~ A method for testing a
performance of a mobile station having a global positioning system (GPS) function,
comprising:
setting set values according to a test type by an input through a keypad of the
mobile station;
if an idle mode is in an off state, entering a traffic state;
if a currently proceeding test is for the first time, controlling a start of a GPS
operation;
sending an acquisition assist (AA) data message and counting a number of
tests in a first state;

performing a pilot phase measurement (PPM) search operation and a GPS search operation using the AA data message and a sensitivity assistance (SA) data message in a second state;

repeatedly testing each test item of the performance by using a performed result in a predetermined number of the tests; and

displaying results of the tests,

wherein ~~in case of~~ when testing ~~[[the]]~~ a sensitivity, ~~[[the]]~~ a present mode is changed to a GPS continuous mode to proceed the performance test, a rate of success s is continuously updated ($s=m/n*100$) as the number n of proceedings and the number m of successes are simultaneously counted, and the updated rate of success is displayed.

10. (Original) The method of claim 6, wherein the AA and SA data messages are defined by an IS801 protocol.

11. (New) A mobile terminal, comprising:
a Global Positioning System (GPS) function configured to determine a position of the mobile terminal; and
a test block including test commands configured to test a performance of the GPS function.

12. (New) The mobile terminal of claim 11, further comprising:
a Graphical User Interface (GUI) configured to drive the test block for testing the performance of the GPS function.
13. (New) The mobile terminal of claim 11, wherein the test block includes a sensitivity test mode, a GPS signal to noise ratio/Doppler frequency shift estimation test mode, a time calibration test mode or a setting mode for setting values of the test modes.
14. (New) The mobile terminal of claim 11, further comprising:
a GPS search block interfacing with the test block and configured to generate GPS status information of the mobile terminal.
15. (New) The mobile terminal of claim 11, wherein the test block comprises software loaded in a memory of the mobile terminal.